

WHAT IS CLAIMED IS:

1. An girder bridge protection device comprising:

sacrifice means including girders which are installed on  
5 an upper surface of a bridge seat of an abutment or pier to  
support a bridge floor, a symmetrical main support member which  
connects two girders and has a pipe-shaped configuration, and  
an auxiliary support member which projects from one surface of  
a center portion of the main support member in a direction  
10 perpendicular to an axial direction of the main support member;  
and

restraining means secured to the bridge seat of the  
abutment or pier and including an accommodating section which  
accommodates the auxiliary support member such that the  
15 auxiliary support member is separated from the accommodating  
section in a forward and rearward direction and in a leftward  
and rightward direction, thereby controlling behavior of the  
auxiliary support member.

20 2. The girder bridge protection device according to claim  
1, wherein the auxiliary support member of the sacrifice means  
is coupled to the main support member to define a closed loop.

3. The girder bridge protection device according to claim  
25 2, wherein the auxiliary support member comprises a pair of

connection sections which are connected to the main support member and an accommodated section which connects the pair of connection sections with each other and is positioned in the accommodating section of the restraining means.

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4. The girder bridge protection device according to claim 3, wherein the restraining means comprises the accommodating section which accommodates both auxiliary support members of two front and rear main support members installed on the same  
10 bridge seat.

5. The girder bridge protection device according to claim 4, wherein the two main support members commonly hold the one auxiliary support member.

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6. The girder bridge protection device according to claim 1, wherein the auxiliary support member of the sacrifice means which is coupled to the main support member has a bar-shaped configuration.

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7. The girder bridge protection device according to claim 6, wherein the auxiliary support member comprises a bar-shaped accommodated section which is positioned in the accommodating section of the restraining means, and a release prevention  
25 section which is formed at an end of the accommodated section

to prevent release of the auxiliary support member from the restraining means.

8. The girder bridge protection device according to any  
5 one of claims 1 to 7, wherein the main support member of the sacrifice means has a square sectional shape.

9. The girder bridge protection device according to any  
one of claims 1 to 7, wherein elastic means is intervened  
10 between the auxiliary support member of the sacrifice means and the accommodating section of the restraining means.

10. The girder bridge protection device according to claim 9, wherein the elastic means comprises a leaf spring.